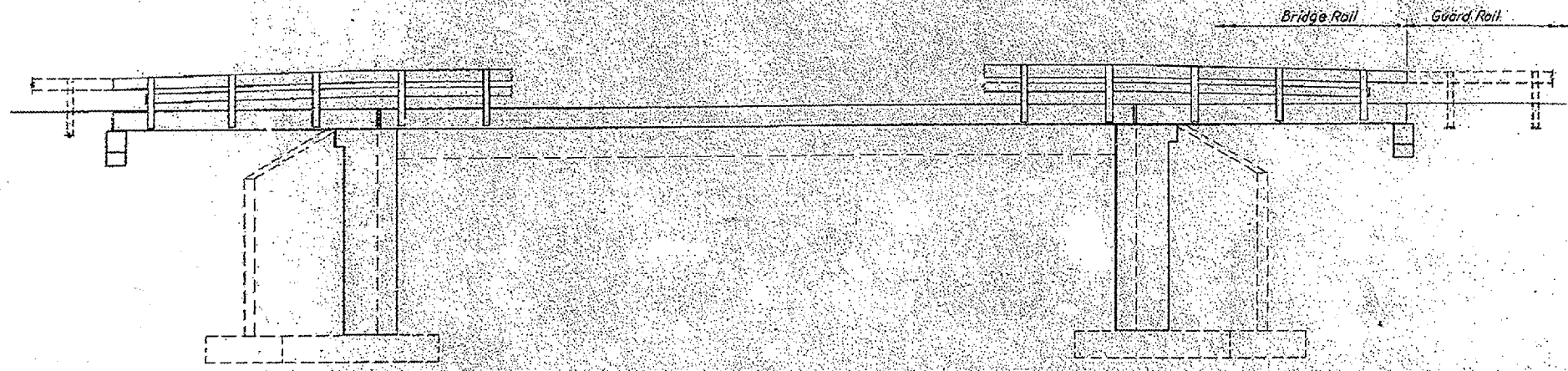


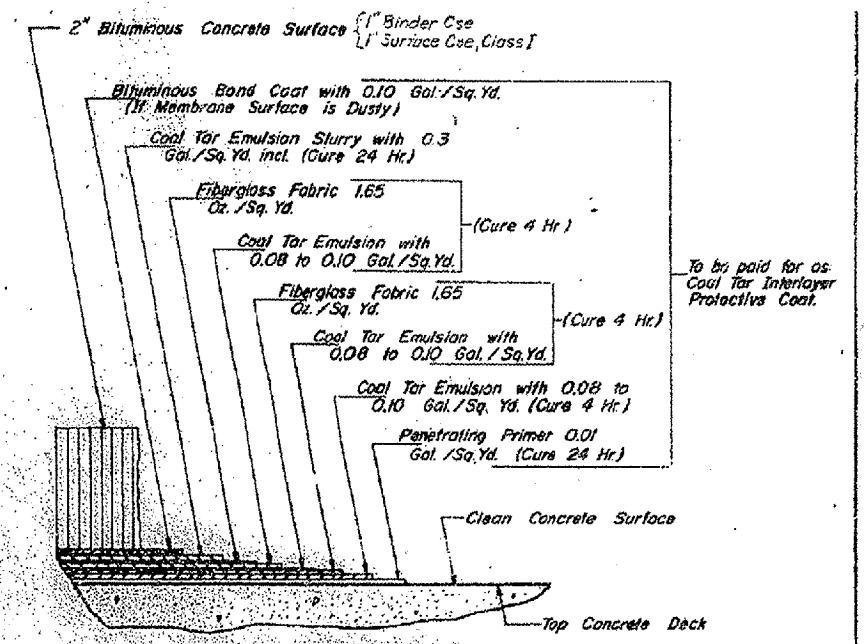
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310		**	97	27
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

Built as S.B.I. Rt. 85, Sec 101, Sta. 73+09, Year 1927

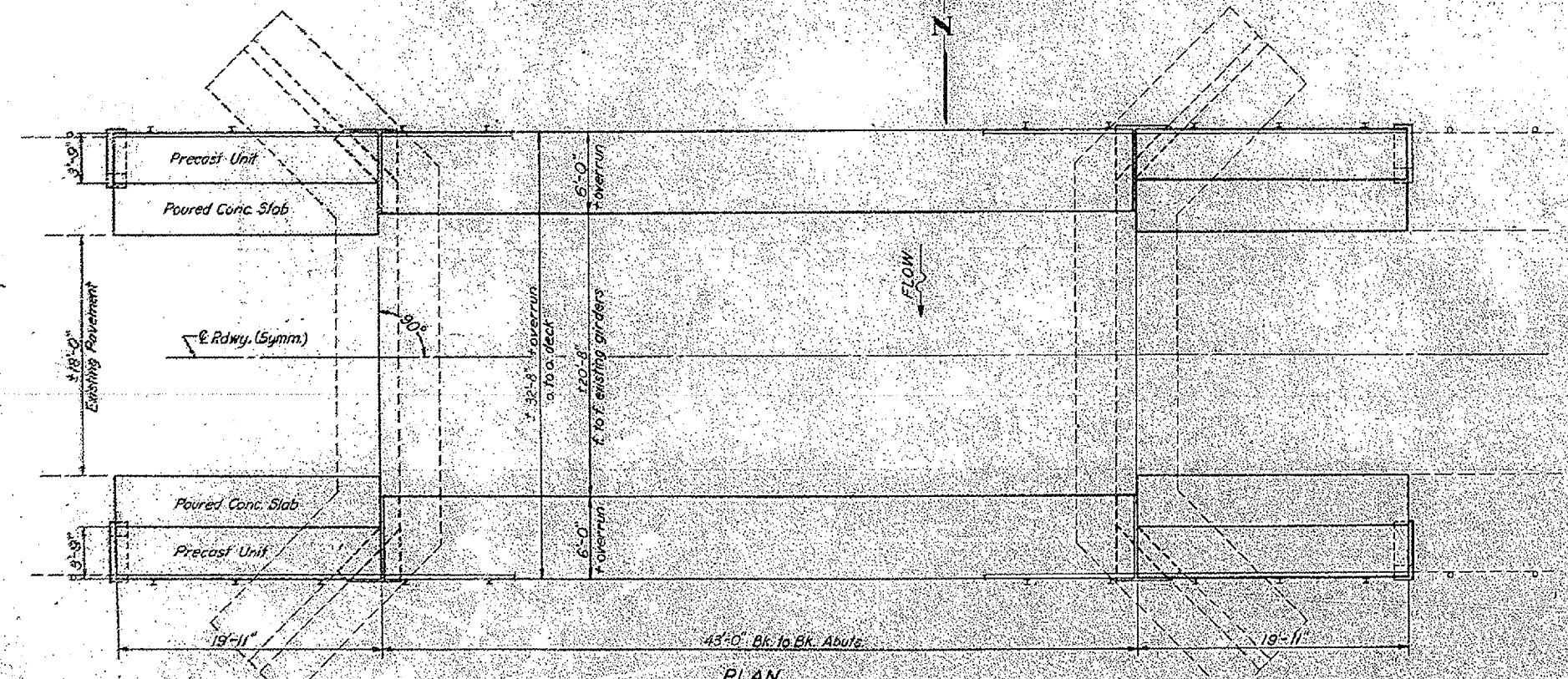
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS



ELEVATION



DETAIL OF DECK SURFACING



PLAN

GENERAL NOTES

All reinforcement bars shall be lapped 24 diameters unless otherwise shown.
It shall be the responsibility of the Contractor to verify all dimensions and conditions existing in the field prior to construction and ordering of materials.
An alternate strand pattern using Extra High Strength Prestressing strand (270 ksi) is permitted.
Expansion bolts shall consist of self drilling expansion shields and 3/4" hooked bolts. Hooked bolts shall extend a minimum of 12" into new concrete.
Any excavation shall be incidental to Bridge Contract.
Shoulder transition to wingwall shall be shaped with broken concrete. Coat incidental.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Portland Cement Concrete Pavement (10')	Sq. Yds.	33		33
Pavement Fabric	Sq. Yds.	33		33
Concrete Removal	Cu. Yds.	14	4	18
Expansion Bolts (3/4")	Each	52	108	160
Class X Concrete	Cu. Yds.		25.1	25.1
Precast Concrete Bridge Slab	Sq. Ft.	299		299
Precast Prestressed Concrete Deck Beams (17')	Sq. Ft.	514		514
Steel Rolling Type W	Lin. Ft.	150		150
Reinforcement Bars	Lbs.		840	840
Bituminous Concrete Surface Removal	Sq. Yds.	100		100
Coal Tar Interlayer Protective Coat	Sq. Yds.	157		157

FOR INFORMATION ONLY

DESIGN STRESSES

FIELD UNITS	PRECAST PRESTR. UNITS
f _c = 1400 psi (super)	f _c = 5000 psi
f _c = 1000 psi (sub)	f _c = 4000 psi
f _s = 20,000 psi (reinf)	f _s = 248,000 psi
v _d = 75 psi (footing)	f _s = 173,600 psi
n = 10	

LIVE LOAD RATING = H 13.3 (Governs)

GENERAL PLAN & ELEVATION
TOMS CREEK
S.B.I. RT 85 (US 67) SEC 101 BY
WARREN COUNTY
STA 73+00

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FOR INFORMATION ONLY
EXISTING S.N. 094-0001
TOMS CREEK 1971

SCALE: VERT. _____
HORIZ. _____
DATE _____
DRAWN BY _____
CHECKED BY _____

PLT DATE = 7/11/2007
FILE NAME = c:\puro\mex\concr\final\plans\topical.dgn
PLOT SCALE = 1/8"=1'-0"
USER NAME = mgm

DESIGNED	James Pence	EXAMINED	[Signature]
CHECKED	Jack Armstrong	PASSED	[Signature]
DRAWN	Jack Armstrong	APPROVED	[Signature]
CHECKED	J.P.		